

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: Tue Jun 26 12:53:07 EDT 2007

=====

Application No: 10574740

Version No: 1.0

Input Set:

Output Set:

Started: 2007-06-25 15:59:53.368

Finished: 2007-06-25 15:59:53.936

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 568 ms

Total Warnings: 6

Total Errors: 0

No. of SeqIDs Defined: 15

Actual SeqID Count: 15

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)

SEQUENCE LISTING

<110> IPK Institut für Pflanzengenetik und Kulturpflanzenforschung

<120> Promoter for the epidermis-specific
transgenic expression in plants

<130> MAIWAM7.005APC

<140> 10574740

<141> 2007-06-25

<150> PCT/EP2004/011214

<151> 2004-10-07

<150> DE 10346611.8

<151> 2003-10-07

<160> 15

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2198

<212> DNA

<213> Triticum sp.

<400> 1

```

gacgccgaag tggagccgac agccccagc tcccaagccc tcggcagact agatcactag 60
ccctggatcg gcgaggtgac tggatgacga gcagcacctg gtctggcggg tgttgggcca 120
gtagaaccag gggcgatggc gacgcgctga ccttctcccc tcaccggcga tctgctcctt 180
ctgggtgggg gtgcgcggct gacgttctgt tgcgggggtg gggtcgccgg ctggcgcttct 240
gctgcggggg gggagtcgcc gaccggcgct ctgctgctag gacaatcggg gaggccagtt 300
aggtgctagc cgatcgattg gcgaagagat ccgagtcctg gggagatcag tgaggccagg 360
tgctatttgg cctatcaatt ggccagggtt tgggaacggg gcgtggcgtg atcaacgagg 420
tgctaggctg ctagctaggg aactggatcc tggaacgtgg aggaggcaag tccggtatgc 480
taagtacttt aactttcctt cttcacatcc acctgattca gattattttg atctaaatta 540
acttgcaaaa aatatatgtg tgatatccat ctactataat tgcttacaat caaaattata 600
tgtgattttt tttagtttag aagatttata tgcacagtaa atctgaatgt tcttcacatg 660
catgatttag ttttaacttta aagagttata ctaactagtc ttgataaaga gatcttttgg 720
agcaacacca aacctcgtga ggtgttttgc ctacggaaaag gttgtgctat gtaatgatta 780
ttattaggat caaagttgta ggataaacgt aaaaaccttct cgatgtatct tttatacaac 840
attgtagttt agttatatat ggagagagtg atttaacact ttgtgtttaa gagtagaata 900
agttattcca cactctagcc aaacgaacta tttggcaaat atctcgctag ctggtgagag 960
ccagagccgt ggaaagtctg tcttgctatt aaggcacaag catcaaacag gaacatttag 1020
agccatggaa aagtgatgtg tcgcctacca atgggccaac tgctagcgat gtaataatag 1080
catccaagtt gattttttat agaacatgca aggcgttggc aagtgggaaa atgattgatc 1140
gctggcaagc ttaactctcg gaacttatag cattcaactg aatcagaaca aagattaaaa 1200
aaaaatacat ttccatcgat agtgaaaaaa tattcaattg agtgacaacg aaaatcatat 1260
tggaatgtac atttacttgt tgatttttaa ttagaggcat ttttctacct tttttagtta 1320
ataagatatg catataccca cccttagtgt tttcgagaca acgagagggc acattgcttt 1380
tggtgctacc atctctctca agcctcaaat aagtgtgctg gacacgatta tcttcccgcg 1440
ttggaatatc gtggcctggg agagctagcg aaaaatcttc catgttgga taatgcggca 1500
gccggatagc cgccatgcat gtaaagtctc ttttaccttt acacttgctc aagtgcact 1560
gtatgtcgcc taccacttgc taaatcaatg ggccaactgc tagcgacgta atagtagcaa 1620

```

gttgatttac	agtgttttgc	tacagttctc	tgactttggt	tcttcatttt	agactagctg	1680
actactgtcg	cttacctgcc	ttcccttctc	cacgttagag	gatccagttc	tgatattgag	1740
acctcgacga	tgggaggaag	ggcgcgatcg	atgtggagta	atttgaaatt	caaactctatc	1800
tatctgggggt	atattgggtcc	ttcaccgatg	tttggggggc	tgtcggaaat	tggttccgcg	1860
atctacaaaa	gtgaatggag	ggagtagttg	tttctccaat	ccgtaccaac	gcacgtgttt	1920
ctaactagta	cttacttcct	tcgcaccaca	atatggaata	gaggagat	cgataaacta	1980
acaaagatga	ttacttacc	ggtttaaagt	attcaagagc	tcatttaatt	tggcactcat	2040
catttcatat	atcttttttg	gtagaaatga	aataaagcag	atctagacac	tagctaaaaa	2100
gtcgatgtag	ccttgttatt	tccttggggc	acgcggggcg	ggtgtggtgc	tccttgcctc	2160
gtgtataaat	ggagatcaac	atccaaggcc	tcctccca			2198

<210> 2

<211> 114

<212> DNA

<213> *Triticum* sp.

<400> 2

gtcagtcgtc	ggacggtgtc	cgttcatttc	ctccccattt	ttgtaattga	ttaaactgtt	60
atacatgctg	acctcgacct	gctgaataac	gtccgtccat	ggtttcccg	ccag	114

<210> 3

<211> 2553

<212> DNA

<213> *Triticum* sp.

<400> 3

gacgcgaag	tggagccgac	agccccag	tccaagccc	tcggcagact	agatcactag	60
ccctggatcg	gcgaggtgac	tggatgacga	gcagcacctg	gtctggcggg	tggtgggcga	120
gtagaaccag	gggcgatggc	gacgcgctga	ccttctcccc	tcaccggcga	tctgctcctt	180
ctgggtgggg	gtcgccggct	gacgttctgt	tgccgggtgg	gggtcgccgg	ctggcgcttc	240
gctgcgggggt	gggagtcgcc	gaccggcggt	ctgctgctag	gacaatcggt	gaggccagtt	300
aggtgctagc	cgatcgattg	gcgaagagat	ccgagtcctg	gggagatcag	tgaggccag	360
tgctatttgg	cctatcaatt	ggccagggtc	tgggaacggg	gcgtggcggt	atcaacgagg	420
tgctaggtcg	ctagctaggg	aactggatcc	tggaaacgtg	aggaggcaag	tcgggtatgc	480
taagtacttt	aactttcctt	cttcacatcc	acctgattca	gattattttg	atctaaatta	540
acttgcaaaa	aatatatgtg	tgatatccat	ctactataat	tgcttacaat	caaaattata	600
tgtgattttt	tttagtttag	aagattttata	tgcacagtaa	atctgaatgt	tcttcacatg	660
catgatttag	tttaacttta	aagagttata	ctaactagtc	ttgataaaga	gatcttttgg	720
agcaacacca	aacctcgatga	ggtgttttgc	ctacggaaag	gttgtgctat	gtaatgatta	780
ttattaggat	caaagttgta	ggataaacgt	aaaaccttct	cgatgtatct	tttatacaac	840
attgtagttt	agttatatat	ggagagagtg	atttaacact	ttgtgtttta	gagtagaata	900
agttattcca	cactctagcc	aaacgaacta	tttgccaaat	atctcgctag	ctgggtgagag	960
ccagagccgt	ggaaagtctg	tcttgctatt	aaggcacaag	catcaaacag	gaacatttag	1020
agccatggaa	aagtgatgtg	tcgcctacca	atgggccaa	tgctagcgat	gtaataatag	1080
catccaagtt	gattttttat	agaacatgca	aggcgttggc	aagtgggaaa	atgattgatc	1140
gctggcaagc	ttactctctg	gaacttatag	cattcaactg	aatcagaaca	aagattaaaa	1200
aaaaatacat	ttccatcgat	agtgaaaaat	tattcaattg	agtgacaacg	aaaatcatat	1260
tggaatgtac	atttacttgt	tgatttttaa	ttagaggcat	tttctacct	tttttagtta	1320
ataagatatg	catataacca	cccttagtgt	tttcgagaca	acgagagggc	acattgcttt	1380
tggtgctacc	atctctctca	agcctcaa	aagttgtg	gacacgatta	tcttcccgcg	1440
ttggaatatc	gtggcctgg	agagctagcg	aaaaatcttc	catgttgga	tatgtcggca	1500
gccggatagc	cgccatgcat	gtaaagtctc	ttttaccttt	acacttgctc	aagtgacact	1560
gtatgtcgcc	taccacttgc	taaatcaatg	ggccaactgc	tagcgacgta	atagtagcaa	1620
gttgatttac	agtgttttgc	tacagttctc	tgactttggt	tcttcatttt	agactagctg	1680
actactgtcg	cttacctgcc	ttcccttctc	cacgttagag	gatccagttc	tgatattgag	1740
acctcgacga	tgggaggaag	ggcgcgatcg	atgtggagta	atttgaaatt	caaactctatc	1800
tatctgggggt	atattgggtcc	ttcaccgatg	tttggggggc	tgtcggaaat	tggttccgcg	1860

atctacaaaa	gtgaatggag	ggagtagttg	tttctccaat	ccgtaccaac	gcacgtgttt	1920
ctaactagta	cttacttcct	tcgcaccaca	atatggaata	gagggagtat	cgataaacta	1980
acaaagatga	ttacttacc	ggtttaaatg	attcaagagc	tcatttaatt	tggcactcat	2040
catttcatat	atcttttttg	gtagaaatga	aataaagcag	atctagacac	tagctaaaaa	2100
gtcgaatgtag	ccttggttatt	tccttggggc	acgcggggccg	ggtgtggtgc	tccttgctct	2160
gtgtataaat	ggagatcaac	atccaaggcc	tcctcccaca	cacacacgct	acagagcaga	2220
gcagagtctt	gctccagtat	ctgcectctc	ctgcctgect	gtagagcatc	catcacgtga	2280
agttcacgga	caaaactacgt	acacaggcag	ctagctctcg	aaacctcgct	cgaaacgcac	2340
ctgcagatcg	ctctcttcgt	cgtcgtcgcc	gcgatcatca	tcaacagctc	cgtctgcctt	2400
ggagccacgg	ccgtccacga	cgccgcggcc	tcaggtcagt	cgtcggacgg	tgtecggtca	2460
tttctctccc	atttttgtaa	ttgattaact	tgttatacat	gctgacctcg	acctgctgaa	2520
taacgtccgt	ccatgggttc	ccgtccaggc	acc			2553

<210> 4

<211> 1246

<212> DNA

<213> Triticum sp.

<400> 4

accaccacac	cactccacca	gtaagaagtg	cagcaggtag	ctagtaagcc	ggcgtagctt	60
tgtctcttgca	gctagctagc	taacccatggc	cgctctgccc	tcttgctttt	ctcttggtgt	120
gctcgtggct	ctggccacgg	cggcgctcggc	gcagctgtca	ccgaccttct	acgacacgtc	180
ctgccccagg	gcectggcca	tcatcaagag	tggcgtcatg	gccgccgtga	gcagcgaccc	240
tcggatgggc	gcgtcgtctg	tccggctgca	cttccacgac	tgettctgtc	aaggctgcga	300
cgcgtctgtt	ttgctgtctg	gcatggaaca	aaatgctatc	ccgaacgcgg	ggtcgctgag	360
gggcttcggc	gtcatcgaca	gcatcaagac	gcagatcgag	gccatctgca	atcagaccgt	420
ctcctgcgcc	gacatcctca	ccgtcgcgcc	ccgtgactcc	gttgtagccc	tcggagggcc	480
gtcatggaca	gtccctctgg	ggagaagaga	ttccacagat	gcaaacgagg	cggcgggcaa	540
cagcgacctg	ccaggcttta	catctagccg	gtcagatctt	gagctggcat	tcagaaacaa	600
gggcctcctt	acgatcgaca	tgggtggccct	ctcgggcggc	cacaccatcg	gccaggcgca	660
gtgtgggacc	tttaaggaca	ggatctacaa	tgagactaac	atcgacacgg	ccttcgccac	720
atctctccgg	gccaactgcc	ccagggtcaaa	cggcgacggg	agcctggcga	acctggacac	780
gacgacggcc	aacacgttcg	ataacgccta	ctacaccaac	ctcatgtcac	agaaggggct	840
cctgcactcg	gaccaggtgc	tgttcaacaa	cgacaccacc	gacaacactg	tccggaactt	900
tgcgtcgaac	ccagcggcgt	tcagcagcgc	cttcacgacc	gccatgatca	agatgggcaa	960
catcgcgccg	aagacaggca	cgcaggggca	gatcaggctc	agctgctcca	gggtgaactc	1020
gtgattgata	gacgagttac	tgcatactag	ccagcacgac	acgtacgtga	atgaataagg	1080
ccacagaacc	agtggccaat	ataaatacca	gctcttgaaa	ccgtgtatct	tatgtacgag	1140
tagcagcaaa	tcatgcatgc	atctacacat	atatatgtaa	cgatcgaatt	cccactttct	1200
catgcaaagg	catggagaat	tactatcaat	cttagttata	cgtgta		1246

<210> 5

<211> 7011

<212> DNA

<213> Triticum sp.

<400> 5

ctaaattgta	agcgtaata	ttttgttaaa	attcgcgtta	aatttttggt	aaatcagctc	60
attttttaac	caataggccg	aaatcggaac	aatcccttat	aaatcaaaag	aatagaccga	120
gatagggttg	agtgttggtc	cagtttgga	caagagteca	ctattaaaga	acgtggactc	180
caacgtcaaa	ggcgaaaaaa	ccgtctatca	ggcgatggc	ccactacgtg	aaccatcacc	240
ctaatacagt	tttttgggg	cgaggtgccc	taaagcacta	aatcggaacc	ctaaagggag	300
cccccgattt	agagcttgac	ggggaaagcc	ggcgaaacgt	gcgagaaagg	aagggaagaa	360
agcgaaagga	gcgggcgcta	gggcgctggc	aagtgtagcg	gtcacgctgc	gcgtaaccac	420
cacaccggcc	gcgtttaatg	cgcgcgtaca	gggcgcgtcc	cattcgccat	tcaggctgcg	480
caactgttgg	gaagggcgat	cgggtgcggc	ctcttcgcta	ttacgccagc	tgccgaaagg	540
gggatgtgct	gcaaggcgat	taagttgggt	aacgccaggg	ttttcccgat	cacgacgttg	600

taaaacgacg	gccagtgagc	gcgcgtaata	cgactcacta	tagggcgaat	tgggtaccgg	660
gccccccctc	gagtctagaa	ctagtggatc	cccgacgccg	aagtggagcc	gacagcccc	720
aggtcccaag	ccctcggcag	actagatcac	tagccctgga	tcggcgaggt	gactggatga	780
cgagcagcac	ctggtctggc	gggtgttggg	cgagtagaac	caggggcgat	ggcgacgcgc	840
tgaccttctc	ccctcaccgg	cgatctgctc	cttctgggtg	ggggtcgccg	gctgacgttc	900
tgttgcgggg	tgggggtcgc	cggtcggcgt	tctgctgccg	ggtgggagtc	gccgaccggc	960
gtgctgctgc	taggacaatc	ggtgaggcca	gttaggtgct	agccgatcga	ttggcgaaga	1020
gatccgagtc	ctggggagat	cagtgaggcc	aggtgctatt	tggcctatca	attggccagg	1080
ttctgggaac	ggggcgtggc	gtgatcaacg	aggtgctagg	ctgctagcta	gggaactgga	1140
tcctggaacg	tggaggaggc	aagtcgcgta	tgctaagtac	tttaactttc	cttcttcaca	1200
tcacactgat	tcagattatt	ttgatctaaa	ttaacttgca	aaaaatatat	gtgtgatatc	1260
catctactat	aattgcttac	aatcaaaatt	atatgtgatt	ttttttagtt	tagaagattt	1320
atatgcacag	taaatctgaa	tgttcttcac	atgcatgatt	tagtttaact	ttaaagagtt	1380
atactaacta	gtcttgataa	agagatcttt	tggagcaaca	ccaaacctcg	tgaggtgttt	1440
tgcttacgga	aagggtgtgc	tatgtaatga	ttattattag	gatcaaagtt	gtaggataaa	1500
cgtaaaacct	tctcgatgta	tctttttatac	aacattgtag	tttagttata	tatggagaga	1560
gtgatttaac	actttgtgtt	taagagtaga	ataagttatt	ccacactcta	gccaaacgaa	1620
ctatttggca	aatatctcgc	tagctgggtga	gagccagagc	cgtggaaagt	ctgtcttgct	1680
attaaggcac	aagcatcaaa	caggaacatt	tagagccatg	gaaaagtgat	gtgtcgcccta	1740
ccaatgggcc	aactgctagc	gatgtaataa	tagcatccaa	gttgattttt	tatagaacat	1800
gcaaggcggt	ggcaagtggg	aaaatgattg	atcgctggca	agcttaactc	tcggaactta	1860
tagcattcaa	ctgaatcaga	acaaagatta	aaaaaaaaata	catttccatc	gatagtgaaa	1920
aattattcaa	ttgagtgcga	acgaaaatca	tattggaatg	tacatttact	tgttgatttt	1980
aaattagagg	catttttcta	ccttttttag	ttaataagat	atgcatatac	ccacccttag	2040
tgttttcgag	acaacgagag	ggcacattgc	ttttggtgct	accatctctc	tcaagcctca	2100
aataagttgt	gcggacacga	ttatcttccc	gcgttggaat	atcgtggcct	ggtagagcta	2160
gcgaaaaatc	ttccatgttg	gaatatgtcg	gcagccggat	agccgccatg	catgtaaaagt	2220
ctcttttacc	tttacacttg	ctcaagtgac	actgtatgtc	gcctaccact	tgctaaatca	2280
atggggccaac	tgctagcgac	gtaatagtag	caagttgatt	tacagtgttt	tgctacagtt	2340
ctctgacttt	gtttcttcat	tttagactag	ctgactactg	tcgcttacct	gccttccctt	2400
ctccacgtta	gaggatccag	ttctgatatt	gagacctcga	cgatgggagg	aagggcgcgga	2460
tcgatgtgga	gtaatttgaa	tttcaaactc	atctatctgg	ggtatattgg	tccttcaccg	2520
atgtttgggg	ggctgtcgga	aattgggtcc	gcgatctaca	aaagtgaatg	gagggagtag	2580
ttgtttctcc	aatccgtacc	aacgcacgtg	tttctaacta	gtacttactt	ccttcgcacc	2640
acaatatgga	atagagggag	tatcgataaa	ctaacaaaga	tgattactta	cccggtttaa	2700
atgattcaag	agctcattta	atltggcact	catcatttca	tatatctttt	ttggtagaaa	2760
tgaaataaag	cagatctaga	cactagctaa	aaagtcgatg	tagccttggt	atttccttgg	2820
gccacgcggg	ccgggtgtgg	tgctccctgc	tctgtgtata	aatggagatc	aacatccaag	2880
gcctcctccc	acacacacac	gctacagagc	agagcagagt	cttgctccag	tatctgcctt	2940
ctcctgctcg	cctgtagagc	atccatcacg	tgaagttcac	ggacaaacta	cgtacacagg	3000
cagctagctc	tcgaaacctc	gctcgaaacg	cacctgcaga	tcgctctctt	cgtcgtcgtc	3060
gccgcgatca	tcatcaacag	ctccgtctgc	cttggagcca	cggccgtcca	cgacgccgcc	3120
gcctcaggtc	agtcgtcgga	cgggtgtcgt	tcatttctct	cccatTTTTTg	taattgatta	3180
acttgttata	catgctgacc	tcgacctgct	gaataacgtc	cgtccatggg	ttcccgtcca	3240
ggcaccgccg	gctgcaggaa	ttcaccacca	caccactcca	ccagtaagaa	gtgcagcagg	3300
tagctagtaa	gccggcgtag	ctttgctctt	gcagctagct	agctaaccat	ggccgcctct	3360
gcctcttgcc	tttctcttgt	ggtgctcgtg	gctctggcca	cggcggcgct	ggcgcagctg	3420
tcaccgacct	tctacgacac	gtcctgcccc	agggccctgg	ccatcatcaa	gagtggcgtc	3480
atggccgcgg	tgagcagcga	ccctcggatg	ggcgcgtcgc	tgtccggt	gcacttccac	3540
gactgcttcg	tccaaggctg	cgacgcgtct	gttttgcgtg	ctggcatgga	acaaaatgct	3600
atcccgaacg	cggggtcgct	gaggggcttc	ggcgtcatcg	acagcatcaa	gacgcagatc	3660
gaggccatct	gcaatcagac	cgtctcctgc	gccgacatcc	tcaccgtcgc	cgcccgtagc	3720
tcctgtttag	ccctcggagg	gccgtcatgg	acagtccctc	tggggagaag	agattccaca	3780
gatgcaaacg	aggcggcggc	aaacagcgac	ctgccaggct	ttacatctag	ccggtcagat	3840
cttgagctgg	cattcagaaa	caagggcctc	cttacgatcg	acatgggtggc	cctctcgggc	3900
gcgcacacca	tcggccaggc	gcagtgtggg	acctttaagg	acaggatcta	caatgagact	3960
aacatcgaca	cggccttcgc	cacatctctc	cgggccaaact	gccccaggtc	aaacggcgac	4020

```

gggagcctgg cgaacctgga cagcagcagc gccaacacgt tcgataaacgc ctactacacc 4080
aacctcatgt cacagaaggg gctcctgcac tcggaccagg tgctgttcaa caacgacacc 4140
accgacaaca ctgtccggaa ctttgcgtcg aaccacagcg cgttcagcag cgccttcacg 4200
accgccatga tcaagatggg caacatcgcg ccgaagacag gcacgcaggg gcagatcagg 4260
ctcagctgct ccagggtgaa ctctgtgattg atagacgagt tactgcatac tagccagcac 4320
gacacgtacg tgaatgaata aggccacaga accagtggcc aatataaata ccagctcttg 4380
aaaccgtgta ttttatgtac gagtagcagc aaatcatgca tgcactaca catatatatg 4440
taacgatcga attcccactt tctcatgcaa aggcattggag aattactatc aatcttagtt 4500
atacgtgtat aaaaagcggc cgcgaattcg atatcaagct tatcgatacc gtcgacctcg 4560
acctgcaggc atgcccgctg aaatcaccag tctctctcta caaatctatc tctctctata 4620
ataatgtgtg agtagttccc agataaggga attagggttc ttatagggtt tcgctcatgt 4680
gttgagcata taagaaaccc ttagtatgta tttgtatttg taaaatactt ctatcaataa 4740
aattttctaat tcctaaaacc aaaatccagg ggtaccgagc tcgaattcta gtctacgcgg 4800
ccgcgagctc cagcttttgt tccctttagt gagggttaat tgcgcgcttg gcgtaatcat 4860
ggtcatagct gtttctgtg tgaaattgtt atccgctcac aattccacac aacatacgag 4920
ccggaagcat aaagtgtaaa gcctggggtg cctaagtagt gagctaactc acattaattg 4980
cgttgcgctc actgcccgct ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa 5040
tcggccaacg cgcggggaga ggcggtttgc gtattgggcg ctcttcgct tctcgcctca 5100
ctgactcgct gcgctcggtc gttcggtgc ggcgagcgg atcagctcac tcaaaggcgg 5160
taatacgggt atccacagaa tcaggggata acgcaggaaa gaacatgtga gcaaaaggcc 5220
agcaaaaggc caggaaccgt aaaaaggccg cgttgcctggc gtttttccat aggctccgcc 5280
ccctgacga gcatcaciaa aatcgacgct caagtcagag gtggcgaaac ccgacaggac 5340
tataaagata ccaggcggtt ccccttgaa gctccctcgt gcgctcctt gttccgacct 5400
tgccgcttac cggataacctg tccgccttcc tcccttcggg aagcgtggcg ctttctcata 5460
gctcacgctg taggtatctc agttcggtgt aggtcgttcg ctccaagctg ggctgtgtgc 5520
acgaaccccc cgttcagccc gaccgctgcg ctttatccgg taactatcgt cttgagtcca 5580
acccggttaag acacgactta tcgccactgg cagcagccac tggtaacagg attagcagag 5640
cgaggtatgt aggcggtgct acagagttct tgaagtggg gcctaactac ggctacacta 5700
gaaggacagt atttggtatc tgcgctctgc tgaagccagt taccttcgga aaaagagtgt 5760
gtagctcttg atccggcaaa caaaccaccg ctggtagcgg tggttttttt gtttgcaagc 5820
agcagattac gcgcagaaaa aaaggatctc aagaagatcc tttgatcttt tctacggggt 5880
ctgacgctca gtggaacgaa aactcacgtt aagggatttt ggtcatgaga ttatcaaaaa 5940
ggatcttcac ctagatcctt ttaaattaaa aatgaagttt taaatcaatc taaagtatat 6000
atgagtaaac ttggtctgac agttaccaat gcttaatcag tgaggcacct atctcagcga 6060
tctgtctatt tcgttcaccc atagttgcct gactccccgt cgtgtagata actacgatac 6120
gggaggggctt accatctggc cccagtgcgt caatgatacc gcgagacca cgcctaccgg 6180
ctccagattt atcagcaata aaccagccag ccggaagggc cgagcgaga agtggtcctg 6240
caactttatc cgcctccatc cagtctatta attgttgccg ggaagctaga gtaagtagtt 6300
cgccagttaa tagtttgccg aacgttggtg ccattgctac aggcacgtg gtgtcacgct 6360
cgtcgtttg tatggcttca ttcagctccg gttcccaacg atcaaggcga gttacatgat 6420
cccccatgtt gtgcaaaaaa gcggttagct ccttcggtcc tccgatcgtt gtcagaagta 6480
agttggccgc agtgttatca ctcatggtta tggcagcact gcataattct cttactgtca 6540
tgccatccgt aagatgcttt tctgtgactg gtgagtactc aaccaagtca ttctgagaat 6600
agtgatgctg gcgaccgagt tgctcttgcc cggcgtaat acgggataat accgcgccac 6660
atagcagaac tttaaaagtg ctcatcattg gaaaacgttc ttcggggcga aaactctcaa 6720
ggatcttacc gctgttgaga tccagttcga tgtaaccac tcgtgcaccc aactgatctt 6780
cagcatcttt tactttcacc agcgtttctg ggtgagcaaa aacaggaagg caaaatgccg 6840
caaaaaaggg aataaggcg acacggaaat gttgaatact catactcttc ctttttcaat 6900
attattgaag catttatcag ggttattgtc tcatgagcgg atacatattt gaatgtattt 6960
agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcc c 7011

```

<210> 6

<211> 746

<212> DNA

<213> *Triticum* sp.

<400> 6

```
agcttattac atagcaagca tgggggtactc caaaacccta gtagctggcc tgttcgcaat 60
gctgttacta gctccggccg tcttgccac cgaccagac cctctccagg acttctgtgt 120
cgccgacctc gacggcaagg cgtctcggg gaacgggcac acgtgcaagc ccatgtcgga 180
ggccggcgac gacttcctct tctcgtccaa gttggccaag gccggcaaca cgtccacccc 240
gaacggctcc gccgtgacgg agctcgacgt ggccgagtg gccggtagca acacgctggg 300
tgtgtccatg aaccgctggg actttgctcc cggaggcacc aaccacccac acatccacc 360
gcggtgccacc gagatcgga tctgtgatgaa aggtgagctt ctctgtggaa tccttggcag 420
cctcgactcc gggaacaagc tctactcgag ggtggtgcgc gccggagaga cgttcctcat 480
cccacggggc ctcatgcact tccagttcaa cgtcggtaag accgaggcct ccatggctcg 540
ctccttcaac agccagaacc ccggcattgt ctctgtgcc ctcacgctct tcggctccaa 600
cccgcccatc ccaacgccgg tgcacaccaa ggcactccgg gtggaggcca gggctcgtga 660
acttctcaag tccaagtttg ccgctgggtt ttaatttcta ggagccttcc ctgaaatgat 720
aattatataa ttccatatat gcatgc 746
```

<210> 7

<211> 6452

<212> DNA

<213> *Triticum* sp.

<400> 7

```
ctaaattgta agcgttaata ttttggtaaa attcgcgtta aatttttggt aaatcagctc 60
attttttaac caataggccg aaatcgga aatcccttat aaatcaaaag aatagaccga 120
gatagggttg agtgttggtc cagtttgga caagagtcca ctattaaaga acgtggactc 180
caacgtcaaa gggcgaaaaa ccgtctatca gggcgatggc ccactacg
```